

A New Species of *Heteromurus* from the Solomon Islands

(Collembola: Entomobryidae)

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Through the courtesy of Dr. P. N. Lawrence and the British Museum (Natural History) I have studied the Orchesellini collected by the Royal Society Expedition of 1965 to the Solomon Islands. The tribe was represented by three species: the one described herein and two new species of *Dicranocentrus* to be described in an upcoming revision of that genus.

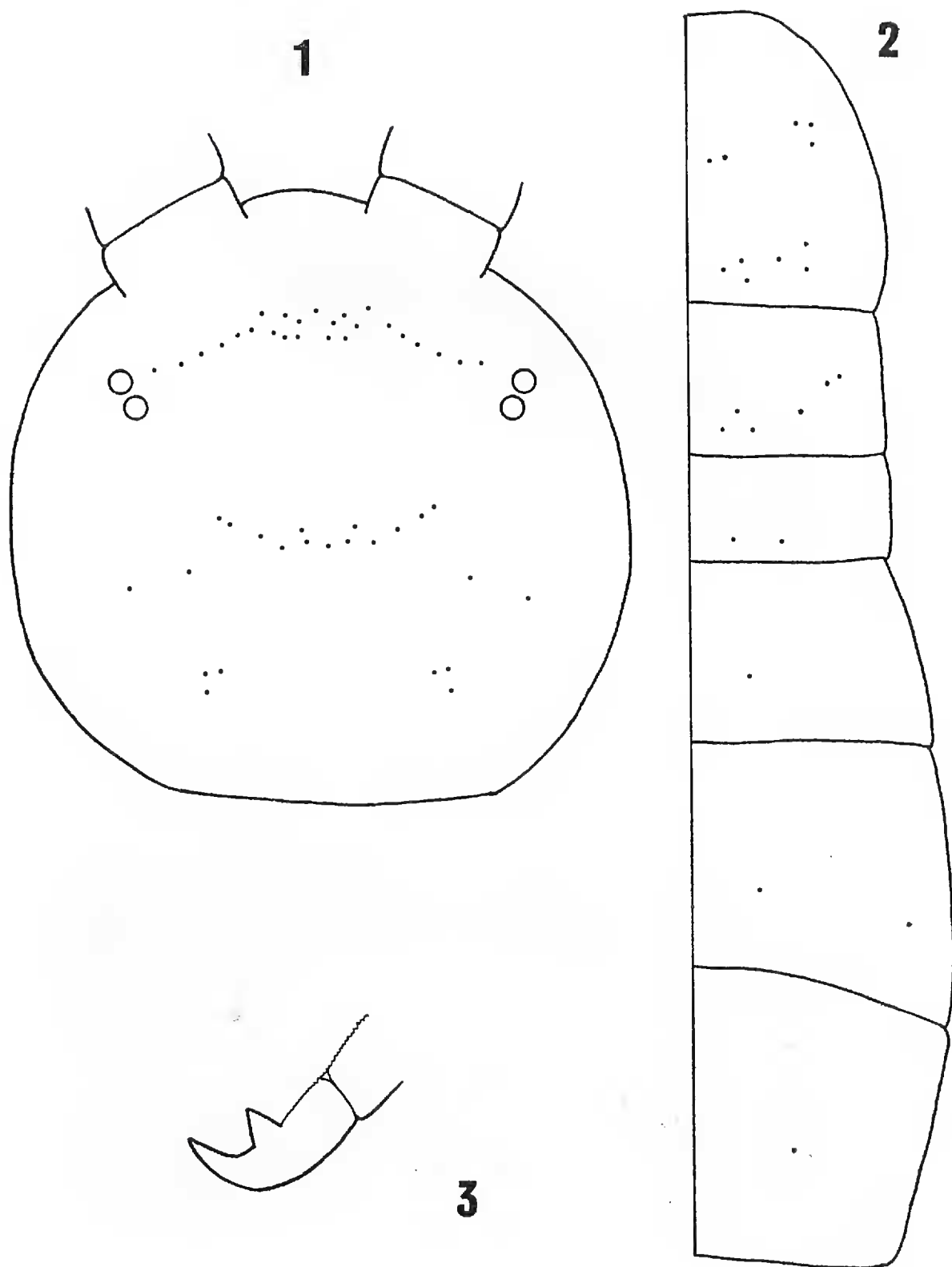
The species described below is named after Dr. Lewis J. Stannard, Jr., a leading authority on the Thysanoptera, who has recently retired from the Illinois Natural History Survey after 30 years of service.

***Heteromurus stannardi*, n. sp.**

Length up to 1.9 mm. General appearance typical of the genus (Fig. 4), the fourth abdominal segment not being over 1.6 times longer than the third. Body background color yellow, very diffuse purple pigment is distributed over the head, body, antennae, and leg segments up to the coxae. Head, body, and appendages (with the exception of the last two antennal segments) covered with scales (Fig. 7). Antennae five segmented, about half as long as the body. Ant. 5 annulated. Two eyes present on each side of the head (Fig. 5). Trochanteral organ composed of about 26 setae. Tibiotarsi covered with ciliated setae, devoid of smooth setae with the exception of the opposite seta to the tenent hair, which is present on the third pair of legs. Claw structure as in figure 6. Tenent hair apically lanceolate, about as long as the unguiculus. Dental spines absent. Mucro as in figure 3, lacking a basal spine. Head and body macrochaetotaxy as in figures 1 and 2.

Material Examined: Solomon Islands, Guadalcanal, Popomanasiu, 1,320 m. el., November 1-4, 1965, mossy ridge forest litter, P. N. Lawrence, coll. Royal Society Expedition, B. M. 1966-1. Holotype and 15 paratypes. Two paratypes are deposited in the collection of the Illinois Natural History Survey, the rest of the material is in the British Museum.

Diagnosis: By the persistent absence of the mucronal basal spine, the species comes closest to *Heteromurus nitens* Yosii (1964), from the Tonga Islands, and to the African species *Heteromurus subduvius* Barra (1968). *Heteromurus stannardi* may be readily separated from these species by the structure of the claws and body macrochaetotaxy, which by the way, is different from that of any species for which the pattern is known.

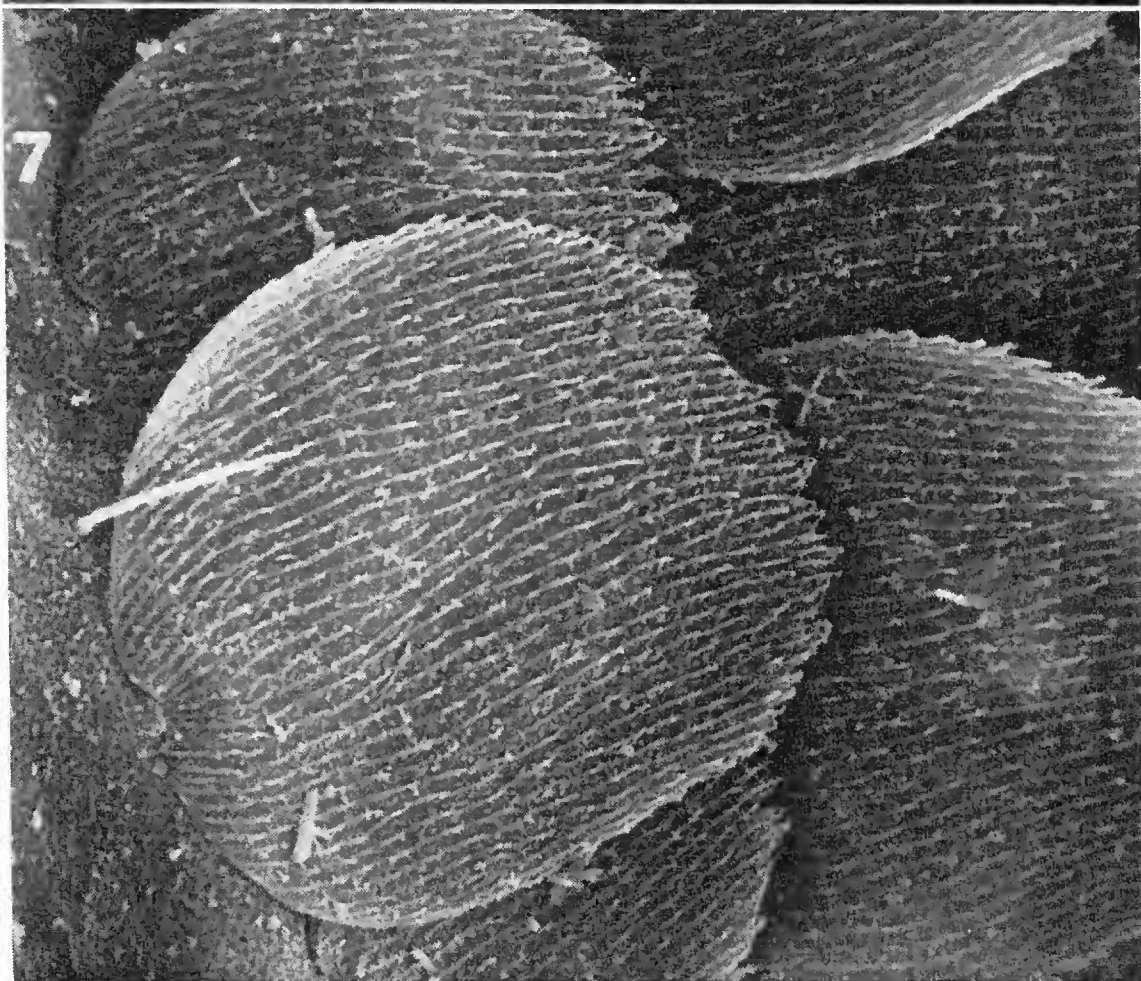
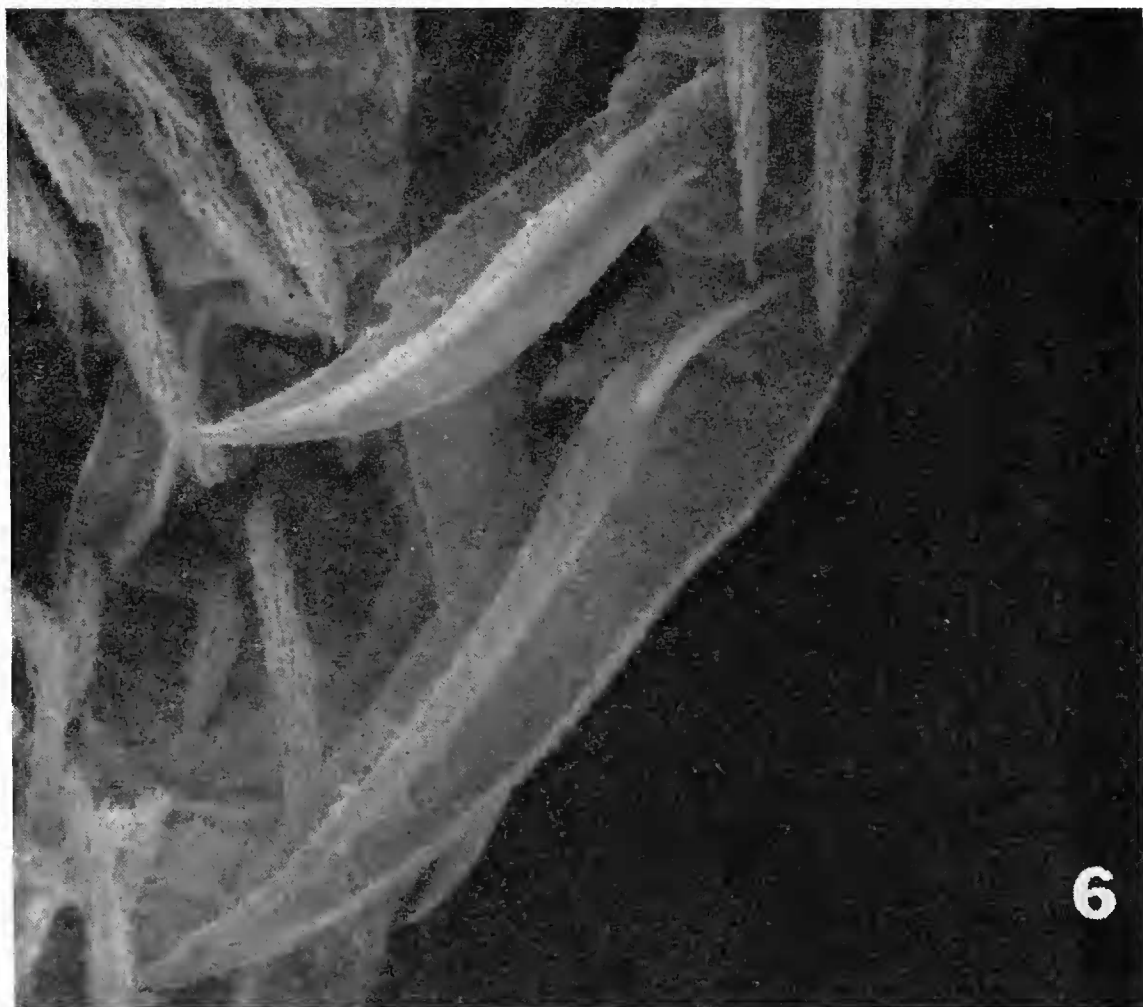


FIGS. 1-3. *Heteromurus stannardi*. Fig. 1. Dorsal head macrochaetotaxy, each dot represents one seta. Fig. 2. Dorsal body macrochaetotaxy. Fig. 3. Mucro.

FIGS. 4-5. *Heteromurus stannardi*. Fig. 4. Photomicrograph of a paratype. 100 \times . Fig. 5. Scanning electron micrograph (SEM) of the eyes. 3,000 \times .

FIGS. 6-7. *Heteromurus stannardi*. Fig. 6. SEM of the hind claw. 1,300 \times . Fig. 7. SEM of dorsal abdominal scales. 1,600 \times .





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